

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of making a turbomachine turbine, the turbine comprising ~~at least one~~ moving wheel having a rotor and a plurality of blade inserts, each of the inserts connected thereto used for the ~~or each~~ moving wheel comprising at least two blades interconnected by common inner and outer platforms and sharing a common root, the method comprising providing each of at least some of the blade inserts with a hollow root by forming a recess in the insert root, with hollow insert roots belonging to the ~~same wheel~~ and/or hollow insert roots belonging to ~~two different wheels~~ being voluntarily given different configurations for the recesses in their roots so as to adjust the resonant frequencies of the corresponding blade inserts to values that are significantly different and connecting the blade inserts to the ~~or each~~ rotor of the ~~or each~~ moving wheel, with the recesses formed in the hollow roots remaining free, thereby ensuring that the blade inserts of the a single wheel and/or ~~between two different wheels~~ are out of tune.

Claim 2 (Original): A method as claimed in claim 1, wherein blade inserts are used including at least some having a solid root without any recess.

Claim 3 (Currently Amended): A method of adjusting the resonant frequency of a moving blade insert in a turbine ~~offer~~ a turbomachine turbine having a high-pressure turbine (HP) and a low-pressure turbine (LP), the turbine having a rotor and a plurality of blade inserts connected thereto, wherein the insert has at least two blades interconnected by common inner and outer platforms and sharing a common root, the method comprising forming a recess in the insert root, said recess remaining free after connection of the insert to the rotor, and adjusting the resonant frequency of the insert to a value that is more than 14%

greater than the excitation mode corresponding to  $N_2 - N_1$ , where  $N_2$  and  $N_1$  are the speeds of rotation of the HP and LP turbines, respectively, by adjusting the configuration of the free recess formed in the insert root.

Claim 4 (Original): A method as claimed in claim 3, wherein the insert is made with a root in the form of a bulb, and its resonant frequency is adjusted by acting on the thickness of material on either side of the recess, level with a portion of the root that forms a neck.

Claim 5 (Canceled)

Claim 6 (Previously Presented): A staged turbine for a turbomachine, the turbine comprising at least one moving wheel having a rotor and a plurality of blade inserts connected thereto, each blade insert comprising at least two blades interconnected by common outer and inner platforms and sharing a common root, wherein at least some of the inserts of the same moving wheel and/or of different moving wheels have hollow roots in which respective free recesses are formed presenting configurations that differ from one another so that the respective inserts have resonant frequencies that are significantly different from one another.

Claim 7 (Previously Presented): A turbine as claimed in claim 6, wherein each recess opens out into at least one side of each respective root.

Claim 8 (Previously Presented): A turbine as claimed in claim 7, wherein each recess is blind, opening out in one side only of each respective root.

Claim 9 (Original): A turbine as claimed in claim 6, wherein some of the inserts have a root without any recess.

Claim 10 (Previously Presented): A turbine as claimed in claim 6, for a turbomachine having a high-pressure turbine (HP) and a low-pressure turbine (LP), wherein each moving blade insert of the turbine has a resonant frequency that is more than 14% greater than the excitation mode corresponding to  $N_2 - N_1$ , where  $N_2$  and  $N_1$  are the speeds of rotation of the HP and LP turbines, respectively.

Claim 11 (Currently Amended): A method of making a turbomachine turbine, the turbine comprising at least one moving wheel having a rotor and a plurality of blade inserts connected thereto, each of the inserts used for the ~~or each~~ moving wheel comprising at least two blades interconnected by common inner and outer platforms and sharing a common bulb- or Christmas-tree-shaped root, the method comprising providing each of at least some of the blade inserts with a hollow root by forming a recess in the insert root, with hollow insert roots belonging to the same wheel and/or hollow insert roots belonging to two different wheels being voluntarily given different configurations for the recesses in their roots so as to adjust the resonant frequencies of the corresponding blade inserts to values that are significantly different, and connecting the blade inserts to the ~~or each~~ rotor of the ~~or each~~ moving wheel by engaging the bulb- or Christmas-tree-shaped root in a housing of complementary shape formed in the corresponding rotor, with the recesses formed in the hollow roots remaining free, thereby ensuring that the blade inserts of ~~[[a]]the single wheel and/or between two different wheels~~ are out of tune.

Claim 12 (Previously Presented): A method as claimed in claim 11, wherein blade inserts are used including at least some having a solid root without any recess.

Claim 13 (Previously Presented): A staged turbine for a turbomachine, the turbine comprising at least one moving wheel having a rotor and a plurality of blade inserts connected thereto, each blade insert comprising at least two blades interconnected by common outer and inner platforms and sharing a bulb- or Christmas-tree-shaped common root engaged in a housing of complementary shape formed in the rotor, wherein at least some of the inserts of the same moving wheel and/or of different moving wheels have hollow roots in which respective free recesses are formed presenting configurations that differ from one another so that the respective inserts have resonant frequencies that are significantly different from one another.

Claim 14 (Previously Presented): A turbine as claimed in claim 13, wherein each recess opens out into at least one side of each respective root.

Claim 15 (Previously Presented): A turbine as claimed in claim 13, wherein each recess is blind, opening out in one side only of each respective root.

Claim 16 (Previously Presented): A turbine as claimed in claim 13, wherein some of the inserts have a root without any recess.

Claim 17 (Previously Presented): A turbine as claimed in claim 13, for a turbomachine having a high-pressure turbine (HP) and a low-pressure turbine (LP), wherein each moving blade insert of the turbine has a resonant frequency that is more than 14%

greater than the excitation mode corresponding to  $N_2 - N_1$ , where  $N_2$  and  $N_1$  are the speeds of rotation of the HP and LP turbines, respectively.

Claim 18 (Previously Presented): A method as claimed in claim 3, wherein thicknesses of material on either side of the recess are different from each other.

Claim 19 (Previously Presented): A staged turbine as claimed in claim 6, further comprising:

a plurality of deflectors each disposed between inner platforms of pairs of adjacent inserts.

Claim 20 (Canceled)

Claim 21 (New): A method of making a turbomachine turbine, the turbine comprising a plurality of moving wheels each having a rotor and a plurality of blade inserts, each of the inserts connected thereto used for the moving wheels comprising at least two blades interconnected by common inner and outer platforms and sharing a common root, the method comprising providing each of at least some of the blade inserts with a hollow root by forming a recess in the insert root, with hollow insert roots belonging to two different wheels being voluntarily given different configurations for the recesses in their roots so as to adjust the resonant frequencies of the corresponding blade inserts to values that are significantly different and connecting the blade inserts to the rotors of the moving wheels, with the recesses formed in the hollow roots remaining free, thereby ensuring that the blade inserts between two different wheels are out of tune.

Claim 22 (New): A method as claimed in claim 21, wherein blade inserts are used including at least some having a solid root without any recess.

Claim 23 (New): A method of making a turbomachine turbine, the turbine comprising a plurality of moving wheels each having a rotor and a plurality of blade inserts connected thereto, each of the inserts used for the moving wheels comprising at least two blades interconnected by common inner and outer platforms and sharing a common bulb- or Christmas-tree-shaped root, the method comprising providing each of at least some of the blade inserts with a hollow root by forming a recess in the insert root, with hollow insert roots belonging to two different wheels being voluntarily given different configurations for the recesses in their roots so as to adjust the resonant frequencies of the corresponding blade inserts to values that are significantly different, and connecting the blade inserts to the rotors of the moving wheels by engaging the bulb- or Christmas-tree-shaped root in a housing of complementary shape formed in the corresponding rotor, with the recesses formed in the hollow roots remaining free, thereby ensuring that the blade inserts between two different wheels are out of tune.

Claim 24 (New): A method as claimed in claim 23, wherein blade inserts are used including at least some having a solid root without any recess.